

MOSAIC CO
Form 3
October 26, 2004

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

| | | | | |
|---|---------|--|---|--|
| 1. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Cargill Fertilizer, Inc. | | (Month/Day/Year) | MOSAIC CO [MOS] | |
| (Last) | (First) | (Middle) | 10/22/2004 | |
| 15615 MCGINTY ROAD WEST | | 4. Relationship of Reporting Person(s) to Issuer | | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | (Check all applicable) | | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| WAYZATA,Â MNÂ 55391 | | ___ Director ___X_ 10% Owner | | _X_ Form filed by One Reporting Person |
| (City) | (State) | (Zip) | ___ Other (specify below) | |
| | | | | ___ Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 210,569,242 | D | Â |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of | |

| | | | | Shares | | (I) (Instr. 5) | |
|---------------------|------------|------------|-----------------|-----------|------|-------------------|--------|
| Convertible Class B | 10/22/2004 | 10/22/2014 | Common Stock | 5,458,955 | \$ 0 | | D Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Cargill Fertilizer, Inc. 15615 MCGINTY ROAD WEST WAYZATA, MN 55391 | Â | Â X | Â | Â |

Signatures

s/ Robert L.
Lumpkins

10/26/2004

__Signature of
Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.